

1 ABSTRACT OF THE DISCLOSURE

2 A dental video camera includes a housing, a charge
3 coupled device that is disposed within and slidably coupled
4 to the elongated cavity of the housing at said proximal end
5 thereof, a plurality of light emitting diodes that are
6 optically coupled to the charge coupled device, a sleeve
7 that is slidably coupled to the housing. The sleeve is able
8 to move laterally back and forth and has achromatic lenses
9 and fixed lenses. The sleeve engages the charge coupled
10 device so that the sleeve laterally moves the charge coupled
11 device back and forth in order to change the position of the
12 charge coupled device with respect to the achromatic lenses
13 and fixed lenses thereby changing the field of focus. A
14 mechanism bi-directionally drives the sleeve laterally to
15 produce back and forth lateral movements.